

1972

Index by Subject to Algorithms

Algorithms published elsewhere are included, when known to us. Key. The first column, A1, B1, C2, C5, lists the key to the classification system categories; second column lists the number of the algorithm; third column lists the title of the algorithm; fourth column lists month, year, pages (in parentheses) in

AS ABBREVIATIONS FOR OTHER JOURNALS
BT APPLIED STATISTICS
CC D.I.T.
CJ COMPUTER PHYSICS COMMUNICATIONS
CP COMPUTER JOURNAL
JC COMPUTING
NM JOURNAL OF THE ASSOCIATION FOR COMPUTING MACHINERY
ZM NUMERISCHE MATHEMATIK
ZM ZASTOSOWANIA MATEMATYKI

CACM or reference elsewhere. This yearly index is published in the December issue of Communications and is a supplement to the "Index by Subject to Algorithms, 1960-1968," *Comm. ACM* 11 (Dec. 1968), 827-830.

A1 REAL ARITHMETIC, NUMBER THEORY
A1 71 INTERVAL ARITHMETIC CJ, 11-71(447)
A1 EXTENSION OF ARITH. PRECISION NM, 18-71(224)

C2 ZEROS OF POLYNOMIALS
C2 419 ZEROS OF A COMPLEX POLYNOMIAL 2-72(97)
C2 429 ROOTS OF A POLYNOMIAL 8-72(774)

C5 ZEROS OF ONE OR MORE TRANSCENDENTAL EQUATIONS
C5 ALG WITH GUARANTEED CONVERGENCE CJ, 11-71(422)
C5 SYSTEMS OF NONLINEAR EQUATIONS CP, 8-71(41)

C6 SUMMATION OF SERIES, CONVERGENCE ACCELERATION
C6 393 SUMMATION WITH ARB. PRECISION 9-70(570), 6-72(468)
C6 LOW ROUND-OFF SUMMATION METHOD BT, 11-71(271)
C6 GENZO. EULEN TRANSFORMATION CJ, 11-71(437)

D1 QUADRATURE
D1 379 ADAPTIVE SIMPSON QUADRATURE 4-70(260), 12-72(1073)
D1 418 FOURIER INTEGRAL 1-72(47), 6-72(469)
D1 424 CLENSHAW-CURTIS QUADRATURE 5-72(353)
D1 427 FOURIER COSINE INTEGRAL 5-72(358)
D1 436 PRODUCT TYPE TRAPEZOIDAL RULE 12-72(1070)
D1 437 PRODUCT TYPE SIMPSON RULE 12-72(1070)
D1 438 GAUSS-LEGENDRE-SIMPSON RULE 12-72(1071)
D1 439 GAUSS-LEGENDRE-SIMPSON RULE 12-72(1072)
D1 CLENSHAW-CURTIS QUADRATURE CJ, 5-72(141)
D1 FOUR-DIM. ROMBERG INTEGRATION CP, 9-72(45)
D1 GAUSSIAN QUADRATURE NM, 18-72(465)

D2 ORDINARY DIFFERENTIAL EQUATIONS
D2 SOLN. BY TAYLOR SERIES METHOD CJ, 8-71(243)

D3 PARTIAL DIFFERENTIAL EQUATIONS
D3 392 SYSTEMS OF HYPERBOLIC PDE 9-70(567), 12-72(1074)

E1 INTERPOLATION
E1 51 LOG-LINEAR FIT AS, 21-72(218)
E1 52 POWER SUMS OF DEVIATIONS AS, 21-72(226)
E1 CUBIC INTERPOLATION CJ, 2-72(80)
E1 10 TWO-DIM. SMOOTH INTERPOLATION CP, 4-69(180), 8-71(200)
E1 14 TWO-DIM. EXPONENTIAL SPLINES CP, 7-71(365)
E1 10 BEST POLYNOMIAL FOR HEMZ ALG. ZM, 12-71(107)

E2 CURVE AND SURFACE FITTING
E2 174 SURFACE FIT 8-63(313), 12-72(1073)
E2 433 SMOOTH CURVE FITTING 10-72(914)
E2 50 TESTS OF FIT AS, 21-72(103)
E2 67 AXIS INVARIANT PROCEDURE CJ, 5-71(209), 11-71(451)
E2 RATIONAL FUNCTION APPROXIMATION NM, 18-71(127)

E4 MINIMIZING OR MAXIMIZING A FUNCTION
E4 47 SIMPLEX METHOD FOR FUNCTION MIN AS, 20-71(338)
E4 12 MIN OF FUNCTION OF ONE VARIABLE ZM, 12-71(221)

F1 MATRIX OPERATIONS, INCLUDING INVERSION
F1 380 TRANSPOSE OF RECTANGULAR MATRIX 5-70(325), 5-70(327)
F1 380 1-72(49)
F1 70 VAR. BANDWIDTH POS. DEF. EQU. CJ, 11-71(446)
F1 15 INVERSION OF TRIDIAGONAL MATRIX CP, 7-71(357)
F1 METHOD OF COMPLETING CP, 8-71(221)
F1 SYMMETRIC MATRIX IN MAX-NORM JC, 10-71(566)

F2 EIGENVALUES AND EIGENVECTORS OF MATRICES
F2 343 REAL GENERAL MATRIX 12-68(820), 2-70(122)
F2 343 11-70(694), 6-72(466)
F2 405 ROOTS OF MATRIX PENCILS 2-71(113), 12-72(1075)
F2 SYMMETRIC TRIDIAGONAL MATRIX BT, 11-71(262)

F4 SIMULTANEOUS LINEAR EQUATIONS
F4 195 BAND SOLVE 8-63(441), 12-72(1074)
F4 423 LINEAR EQUATION SOLVER 4-72(274)
F4 432 SOLUTION TO EQUATION $AX+XB=C$ 9-72(820)
F4 69 SYMMETRIC THREE TERM SYSTEMS CJ, 11-71(444)
F4 VANDERMONDE SYSTEMS NM, 18-71(44)

F5 ORTHOGONALIZATION
F5 10 USE OF ORTHOGONAL POLYNOMIALS AS, 17-68(283), 20-71(118)
F5 10 20-71(216)
F5 42 ORTHOGONAL POLYNOMIALS AS, 20-71(209)
F5 46 GRAM-SCHMIDT ORTHOGONALIZATION AS, 20-71(335)

G1 SIMPLE CALCULATIONS ON STATISTICAL DATA
G1 434 H-C CONTINGENCY TABLES 11-72(991)
G1 35 FINITE POPULATION PROBABILITY AS, 20-71(99), 20-71(346)
G1 41 MATRIX MEAN AND DISPERSION AS, 20-71(206)
G1 48 UNCERTAINTY FUN. FOR BINARY SEQ AS, 21-72(97)
G1 FITTING THEORETICAL EXPRESSION CC, 7-72(296)
G1 15 PROBABILITY FOR F-SNEDECOR FUN. ZM, 12-72(499)

G2 CORRELATION AND REGRESSION ANALYSIS
G2 49 AUTOCORRELATION FUN FOR BIN SEQ AS, 21-72(100)
G2 FREQ. DIST. OF RANK CORRELATION CP, 8-71(1)

G5 RANDOM-NUMBER GENERATORS
G5 266 PSEUDO-RANDOM NUMBERS 10-65(605), 9-66(687)
G5 266 12-72(4072)
G5 370 RANDOM NUMBER GENERATOR 1-70(49), 6-72(467)

G5 381 RANDOM VECTOR IN SOLID ANGLE 5-70(328), 6-72(468)
G5 425 RANDOM CORRELATED NORMAL VAR. 5-72(355)
G5 PSEUDO RANDOM NUMBER GENERATION CP, 9-72(63)

H OPERATIONS RESEARCH, GRAPH STRUCTURES
H 394 DECISION TABLE TRANSLATION 9-70(571), 12-72(1074)
H 397 INTEGER PROGRAMMING PROBLEM 10-70(620), 6-72(469)
H 422 MINIMAL SPANNING TREE 4-72(273)
H 430 PREDOMINATORS IN DIRECTED GRAPH 8-72(777)
H 431 QUAD. AND LINEAR PROGRAMMING 9-72(818)
H 40 MINIMAL SPANNING TREE AS, 20-71(204)
H 10 LPNDSIMPLEX BT, 4-64(194), 6-66(82)
H 10 12-72(267)
H PARTITION OF UNDIRECTED GRAPH RT, 12-72(161)
H OPTIMIZATION PROBLEMS CC, 4-72(159)
H SPERNER SIMPLEX CP, 8-71(157)
H SHORTEST PATH IN GRAPH CP, 8-71(171)
H FLOW IN ANTISYMMETRICAL NETWORK CP, 8-71(191)
H 3 ZERO-ONE INTEGER LINEAR PROG. ZM, 11-69(111), 11-70(513)
H 5 TRANSPORTATION PROBLEM ZM, 11-70(221), 12-71(131)
H 14 ZERO-ONE INTEGER LINEAR PROG. ZM, 12-71(347)

IS INPUT - COMPOSITE
IS 43 VARIABLE FORMAT IN FORTRAN AS, 20-71(213), 20-71(346)

J6 PLOTTING
J6 420 HIDDEN-LINE PLOTTING PROGRAM 2-72(100)
J6 44 SCATTER DIAGRAM PLOTTING AS, 20-71(327)
J6 45 HISTOGRAM PLOTTING AS, 20-71(332)
J6 PRINTER-PLOTTER ROUTINE CC, 12-71(470)

K2 RELOCATION
K2 11 TRANSFORMATION OF AN OWN ARRAY ZM, 12-71(123)

M1 SORTING
M1 426 MERGE SORT ALGORITHM 5-72(357)

O2 SIMULATION OF COMPUTING STRUCTURE
O2 SIMULATION OF TURING MACHINE CP, 8-71(241)

S APPROXIMATION OF SPECIAL FUNCTIONS...
S FUNCTIONS ARE CLASSIFIED S01 TO S22, FOLLOWING
S FLETCHER-MILLEN-ROSENHEAD, INDEX OF MATH. TABLES
S13 385 EXPONENTIAL INTEGRAL $E_1(x)$ 7-70(446), 7-70(448)
S13 385 12-70(750), 12-72(1074)
S14 421 COMPLEX GAMMA FUNCTION 4-72(271)
S14 435 MOD. INCOMPLETE GAMMA FUNCTION 11-72(993)
S15 363 COMPLEX ERROR FUNCTION 11-69(635), 6-72(465)
S22 352 CHAR. VALS. SLNS OF MATHEU'S DE. 7-69(399), 12-70(750)
S22 352 12-72(1074)
S22 13 CHEBYSHEV POLYNOMIALS ZM, 12-71(227)

Y1 PHYSICS APPLICATIONS
Y1 COULOMB FUN. FOR COMPLEX ENERGY CC, 7-69(25), 4-72(276)
Y1 BORN APP. FOR NUCLEAR REACTIONS CC, 2-71(94), 4-72(275)
Y1 SELF-CONSISTENT FIELD CC, 2-71(107), 12-71(471)
Y1 EXTENDED DEFECTS IN METALS CC, 10-71(301)
Y1 MOSSBAUER SPECTRA CC, 10-71(322)
Y1 PURE AND MIXED NILSSON STATES CC, 10-71(331)
Y1 LEED INTENSITIES CC, 10-71(341)
Y1 TWO-NUCLEON SCHRÖDINGER EQU. CC, 10-71(353)
Y1 SCATTERING OF ELECTRONS CC, 10-71(360)
Y1 SPECTROSCOPIC DOUBLE STAR CC, 10-71(368)
Y1 ANG. MOMENTUM COUPLING COEFF. CC, 10-71(381)
Y1 BUBBLE CHAMBER PHOTOGRAPH CC, 12-71(394)
Y1 SUB FRACTIONAL PARITY STATE CC, 12-71(420)
Y1 CONV. COEFF. FOR ATOMIC SHELL CC, 12-71(427)
Y1 ENERGY-LOSS STRAGGLING CC, 12-71(433)
Y1 NUCLEAR REACTIONS CC, 12-71(443)
Y1 GAMMA RADIATION DOSIMETRY CC, 12-71(449)
Y1 QUADRUPOLE RADIAL MATRIX CC, 12-71(455)
Y1 EXTRACTION OF BULK VISCOSITIES CC, 1-72(1)
Y1 ATOMIC ENERGY LEVEL VALUES CC, 1-72(11)
Y1 WAVE NUMBER CALCULATIONS CC, 1-72(19)
Y1 HARTREE-FOCK NUCL. CALCULATIONS CC, 1-72(22)
Y1 MAGNETIC SHELL PARAMETER CC, 1-72(31)
Y1 GEOMAGNETIC SHELL PARAMETER CC, 1-72(36)
Y1 TRAJECTORY CALCULATIONS CC, 1-72(42)
Y1 GENZO. TRANSFORMATION BRACKETS CC, 1-72(53)
Y1 GENERALIZED TALMI COEFFICIENTS CC, 1-72(61)
Y1 THIRD VIRAL COEFFICIENTS CC, 1-72(69)
Y1 COULOMB FUNCTIONS CC, 3-72(73)
Y1 LATTICE VIBRATIONS CC, 3-72(88)
Y1 QUADRUPOLE COULOMB EXCITATIONS CC, 3-72(118)
Y1 FIELD GRADIENT INTEGRALS CC, 3-72(130)
Y1 BUBBLE CHAMBER EVENTS CC, 3-72(136)
Y1 CROSS SECTION CALCULATIONS CC, 4-72(173)
Y1 CLASSICAL RELATIVE MOTION (I) CC, 4-72(197)
Y1 CLASSICAL RELATIVE MOTION (II) CC, 4-72(221)
Y1 POSITRON LIFETIME SPECTRA CC, 4-72(240)
Y1 FINE STRUCTURE CROSS SECTION CC, 4-72(256)
Y1 TRANSPORT COLLISION INTEGRALS CC, 4-72(269)
Y1 THE REDUCED ROTATION MATRIX CC, 7-72(318)
Y1 GROWTH OF GASEOUS DISCHARGE CC, 7-72(322)
Y1 RADIAL SCHRÖDINGER EQUATION CC, 7-72(334)
Y1 MOSSBAUER SCATTERING SPECTRA CC, 7-72(339)

Z ALL OTHERS
Z 391 UNITARY SYMMETRIC POLYNOMIALS 8-70(512), 1-72(49)
Z 398 TABLELESS DATE CONVERSION 10-70(621), 10-72(918)
Z 428 HU-TUCKER CODING METHOD 5-72(360)
Z DOMINANT WEIGHT IN LIE ALGEBRA BT, 11-71(310)
Z GENERATION OF WEYL GROUP CC, 3-72(155)
Z GENERATION OF FINITE GROUPS CP, 7-71(333)

Index to Communications of the ACM Volume 15, 1972

BIBLIOGRAPHY AUTHOR INDEX DEPARTMENT INDEX

Entries in this Index are for the technical papers, reports, articles, and short communications that appeared under the heading "contributions" on the contents pages of the 12 issues of the year. Algorithms are indexed separately; the "Index by Subject to Algorithms 1972" is on page 1076 of this issue.

The KEY in each entry gives the year and volume number (7215), the issue number (which is also the number of the month), and the beginning page number.

The BIBLIOGRAPHY lists the entries in order of original appearance; each entry gives the title and the name(s) of the author(s).

The AUTHOR INDEX lists the entries in order of alphabetized authors' names. If there is more than one author for a paper, each author is listed separately in alphabetical order; therefore, in this section a single entry would not include co-author's names.

The DEPARTMENT INDEX entries are grouped according to Communications technical departments in which they appeared. Under each department heading, entries are given in order of original appearance.

BIBLIOGRAPHY

- 7215 1 3 PICTORIAL PATTERN RECOGNITION AND THE PHASE PROBLEM OF X-RAY CRYSTALLOGRAPHY * LESK, A.M.
7215 1 7 ON SHRINKING BINARY PICTURE PATTERNS * LEVIALDI, S.
7215 1 11 USE OF THE HOUGH TRANSFORMATION TO DETECT LINES AND CURVES IN PICTURES * DUDA, R.O. / HART, P.E.
7215 1 16 A CRT EDITING SYSTEM * IRONS, E.T. / DJORP, F.M.
7215 1 21 TEACHER/STUDENT AUTHORED CAI USING THE NEWBASIC SYSTEM * DWYER, T.A.
7215 1 28 CORRIGENDUM: OPTIMIZING THE POLYPHASE SORT * SHELL, D.L.
7215 1 29 MUSE: A MODEL TO UNDERSTAND SIMPLE ENGLISH * MCCALLA, G.I. / SAMPSON, J.R.
7215 1 41 QUADRATIC PROGRAMMING FOR NONLINEAR REGRESSION * SHRAGER, R.I.
7215 1 45 ORDERING $\pm f(\pm f(\pm f(\dots \pm f(x) \dots)))$ WHEN $f(x)$ IS POSITIVE MONOTONIC (SHORT COMMUNICATION) * SALZER, H.E.
7215 2 71 A PROPOSAL FOR A COMPUTER-BASED INTERACTIVE SCIENTIFIC COMMUNITY * PAGER, D.
7215 2 76 PRELIMINARY REPORT ON A SYSTEM FOR GENERAL SPACE PLANNING * EASTMAN, C.M.
7215 2 88 OPTIMIZING BINARY TREES GROWN WITH A SORTING ALGORITHM * MARTIN, W.A. / NESS, D.N.
7215 2 94 MAXIMUM COMPUTING POWER AND COST FACTORS IN THE CENTRALIZATION PROBLEM * OLDEHOEFT, A.E. / HALSTEAD, M.H.
7215 2 96 CORRIGENDUM: DYNAMIC MICROPROGRAMMING: PROCESSOR ORGANIZATION AND PROGRAMMING * TUCKER, A.B. / FLYNN, M.J.
7215 2 104 MUSIC AND COMPUTER COMPOSITION * MOORER, J.A.
7215 2 113 CORRIGENDUM: RECONSTRUCTION OF PICTURES FROM THEIR PROJECTIONS * GORDON, R. / HERMAN, G.T.
7215 2 113 CORRIGENDUM: AVERAGE BINARY SEARCH LENGTH FOR DENSE ORDERED LISTS * FLORES, I. / MADPIS, G.
7215 3 135 TENEX, A PAGED TIME SHARING SYSTEM FOR THE PDP-10 * BOBROW, D.G. / BURCHFIELD, J.D. / MURPHY, D.L. / TOMLINSON, R.S.
7215 3 144 THE DESIGN OF THE VENUS OPERATING SYSTEM * LISKOV, B.H.
7215 3 150 AN OPERATING SYSTEM BASED ON THE CONCEPT OF A SUPERVISORY COMPUTER * GAINES, R.S.
7215 3 157 A HARDWARE ARCHITECTURE FOR IMPLEMENTING PROTECTION RINGS * SCHROEDER, M.D. / SALTZER, J.H.
7215 3 171 SYNCHRONIZATION OF COMMUNICATING PROCESSES * HABERMANN, A.N.
7215 3 177 A COMPARATIVE ANALYSIS OF DISK SCHEDULING POLICIES * TEOREY, T.J. / PINKERTON, T.D.
7215 3 185 A STUDY OF STORAGE PARTITIONING USING A MATHEMATICAL MODEL OF LOCALITY * COFFMAN, E.G. JR. / RYAN, T.A. JR.
7215 3 191 PROPERTIES OF THE WORKING-SET MODEL * DENNING, P.J. / SCHWARTZ, S.C.
7215 4 211 ON THE IMPLEMENTATION OF SECURITY MEASURES IN INFORMATION SYSTEMS * CONWAY, R.W. / MAXWELL, W.L. / MORGAN, H.L.
7215 4 221 A SYSTEM FOR INTERPROCESS COMMUNICATION IN A RESOURCE SHARING COMPUTER NETWORK * WALDEN, D.C.
7215 4 231 AN EXPERIMENTAL LABORATORY FOR PATTERN RECOGNITION AND SIGNAL PROCESSING * HERBST, N.M. / WILL, P.M.
7215 4 245 HIDDEN LINES ELIMINATION FOR A ROTATING OBJECT * MATSUSHITA, Y.
7215 4 253 AN IMPLEMENTED GRAPH ALGORITHM FOR WINNING SHANNON SWITCHING GAMES * CHASE, S.M.
7215 4 257 COMPUTERS AND SOCIETY: A PROPOSED COURSE FOR COMPUTER SCIENTISTS * HOROWITZ, E. / MORGAN, H.L. / SHAW, A.C.
7215 4 262 COMPLEX GAMMA FUNCTION WITH ERROR CONTROL * KUKI, H.
7215 4 268 MATRIX COMPUTATIONS WITH FORTRAN AND PAGING * MOLER, C.B.
7215 4 275 A NOTE ON CHENEY'S NONRECURSIVE LIST-COMPACTING ALGORITHM (SHORT COMMUNICATION) * WALDEN, D.C.
7215 4 276 A COMMENT ON THE DOUBLE-CHAINED TREE (SHORT COMMUNICATION) * HU, T.C.
7215 5 301 AN IMPROVED INDEX SEQUENTIAL ACCESS METHOD USING HASHED OVERFLOW * MULLIN, J.K.
7215 5 308 THE MULTICS VIRTUAL MEMORY: CONCEPTS AND DESIGN * BENSOUSSAN, A. / CLINGEN, C.T. / DALEY, R.C.
7215 5 319 MUX, A SIMPLE APPROACH TO ON-LINE COMPUTING * CHRISTMAN, R.D.
7215 5 330 A TECHNIQUE FOR SOFTWARE MODULE SPECIFICATION WITH EXAMPLES * PARNAS, D.L.
7215 5 337 IMPLEMENTING CLENSHAW-CURTIS QUADRATURE, I. METHODOLOGY AND EXPERIENCE * GENTLEMAN, W.M.
7215 5 343 IMPLEMENTING CLENSHAW-CURTIS QUADRATURE, II. COMPUTING THE COSINE TRANSFORMATION * GENTLEMAN, W.M.
7215 5 347 FAST FINITE-DIFFERENCE SOLUTION OF BIHARMONIC PROBLEMS * GREENSPAN, D. / SCHULTZ D.
7215 5 351 MINIMAX NONLINEAR APPROXIMATION BY APPROXIMATION ON SUBSETS (SHORT COMMUNICATION) * DUNHAM, C.B.
7215 5 352 THE OPTIMALITY OF WINOGRAD'S FORMULA (SHORT COMMUNICATION) * HARTER, R.
7215 5 363 CURRICULUM RECOMMENDATIONS FOR GRADUATE PROFESSIONAL PROGRAMS IN INFORMATION SYSTEMS * ASHENHURST, R.L.
7215 6 411 ON THE OPTIMIZATION OF PERFORMANCE OF TIME-SHARING SYSTEMS BY SIMULATION * BLATNY, J. / CLARK, S.R. / ROURKE, T.A.
7215 6 421 A PROPOSAL TO ESTABLISH A PSEUDO VIRTUAL MEMORY VIA WRITABLE OVERLAYS * SPACEK, T.R.
7215 6 427 INTERFERENCE BETWEEN COMMUNICATING PARALLEL PROCESSES * GILBERT, P. / CHANDLER, W.J.
7215 6 438 BLOCKS—A NEW DATATYPE FOR SNOBOL4 * GIMPEL, J.F.
7215 6 448 A BOOLEAN MATRIX METHOD FOR THE COMPUTATION OF LINEAR PRECEDENCE FUNCTIONS * MARTIN, D.F.
7215 6 455 COMPUTER-ASSIGNED CODES FROM VERBAL RESPONSES * O'REAGAN, R.T.
7215 6 460 A STARTING METHOD FOR SOLVING NONLINEAR VOLTERRA INTEGRAL EQUATIONS OF THE SECOND KIND * IGUCHI, K.
7215 6 462 A SORTING PROBLEM AND ITS COMPLEXITY * POHL, I.

- 7215 6 470 COMPUTER SCIENCE—A VICIOUS CIRCLE (SHORT COMMUNICATION) * KANDEL, A.
7215 6 472 INDIVIDUALIZING INSTRUCTION IN A GENERATIVE CAI TUTOR (SHORT COMMUNICATION) * KOFFMAN, E.B.
7215 7 485 THE FIRST TWENTY-FIVE YEARS * REVENS, L.
7215 7 491 PUBLICATIONS IN COMPUTING: AN INFORMAL REVIEW * WEISS, E.A.
7215 7 501 AESTHETICS AND THE HUMAN FACTOR IN PROGRAMMING * ERSHOV, A.P.
7215 7 521 TOWARD AN AUTOMATA THEORY OF BRAINS * ARBIB, M.A.
7215 7 528 FIXPOINT APPROACH TO THE THEORY OF COMPUTATION * MANNA, Z. / VUILLEMIN, J.
7215 7 537 NUMERICAL MATHEMATICS AND COMPUTER SCIENCE * TRAUB, J.
7215 7 542 MANAGEMENT SCIENCE: A VIEW FROM NONLINEAR PROGRAMMING * SHANNO, D.F. / WEIL, R.L.
7215 7 550 TOWARD A GENERAL THEORY OF SPECIAL FUNCTIONS * MOSES, J.
7215 7 557 A VIEW OF COMPUTER ARCHITECTURE * FOSTER, C.
7215 7 566 ON THE INTERFACE BETWEEN COMPUTERS AND DATA COMMUNICATIONS SYSTEMS * FRASER, A.G.
7215 7 574 STRUCTURED MULTIPROGRAMMING * BRINCH HANSEN, P.
7215 7 579 OPERATING SYSTEM PERFORMANCE * LYNCH, W.C.
7215 7 586 THE ROLE OF COMPUTER SYSTEM MODELS IN PERFORMANCE EVALUATION * KIMBLETON, S.R.
7215 7 591 PROGRAMMING SYSTEMS AND LANGUAGES * ROSEN, S.
7215 7 601 PROGRAMMING LANGUAGES: HISTORY AND FUTURE * SAMMET, J.
7215 7 611 THE PRODUCTION OF BETTER MATHEMATICAL SOFTWARE * FOSDICK, L.D.
7215 7 618 REQUIREMENTS FOR ADVANCED PROGRAMMING SYSTEMS FOR LIST PROCESSING * BOBROW, D.G.
7215 7 628 THE EVOLUTION OF STORAGE STRUCTURES * BACHMAN, C.W.
7215 7 637 ON THE PRESENT AND FUTURE OF SCIENTIFIC COMPUTATION * RICE, J.
7215 7 640 A GENERATIONAL PERSPECTIVE OF INFORMATION SYSTEM DEVELOPMENT * BENJAMIN, R.I.
7215 7 644 LANGUAGE ANALYSIS IN THE HUMANITIES * SEDELOW, S.Y.
7215 7 648 COMPUTERS IN THE INSTRUCTIONAL PROCESS: DIRECTIONS FOR RESEARCH AND DEVELOPMENT * ZINN, K.
7215 7 652 COMPUTERS AND URBAN SOCIETY * STURMAN, G.M.
7215 7 658 DYNAMIC DOCUMENT PROCESSING * SALTON, G.
7215 7 671 ANCIENT BABYLONIAN ALGORITHMS * KNUTH, D.E.
7215 7 678 THE "PLANKALKÜL" OF KONRAD ZUSE: A FORERUNNER OF TODAY'S PROGRAMMING LANGUAGES * BAUER, F.L. / WÖSSNER, H.
7215 7 686 A WESTERN VIEW OF COMPUTER HISTORY * SPRAGUE, R.E.
7215 7 693 ARCHAEOLOGY OF COMPUTERS * ALT, F.L.
7215 7 695 COMPUTERS AND EMPLOYMENT * BORODIN, A. / GOTLIEB, C.C.
7215 8 728 GENERATING PARSERS FOR AFFIX GRAMMARS * CROWE, D.
7215 8 735 POLITICAL REDISTRICTING BY COMPUTER * HELBIG, R.E. / ORR, P. K. / RÖEDIGER, R.R.
7215 8 742 AN EXTENSIBLE EDITOR FOR A SMALL MACHINE WITH DISK STORAGE * BENJAMIN, A.J.
7215 8 748 AN ENVIRONMENT FOR RESEARCH IN MICROPROGRAMMING AND EMULATION * ROSIN, R.F. / FRIEDER, G. / ECKHOUSE, R.H. JR.
7215 8 761 A MODEL OF MEMORY CONTENTION IN A PAGING MACHINE * ODEN, P.H. / SHEDLER, G.S.
7215 8 772 COMPILING FIXED-POINT MULTIPLICATIONS (SHORT COMMUNICATION) * BERNSTEIN, H.J.
7215 8 772 COMMENT ON THE COMPOSITION OF SEMANTICS IN ALGOL 68 (SHORT COMMUNICATION) * VAN DER POEL, W.L.
7215 8 773 A BONUS FROM VAN WIJNGAARDEN'S DEVICE (SHORT COMMUNICATION) * MORRIS, J.H. JR.
7215 8 774 COMMENT ON AVERAGE BINARY SEARCH LENGTH (SHORT COMMUNICATION) * JONES, P.R.
7215 8 775 A NOTE ON THE GENERATION OF ROSARY PERMUTATIONS (SHORT COMMUNICATION) * READ, R.C.
7215 9 789 CELLULAR ARRAYS FOR THE SOLUTION OF GRAPH PROBLEMS * LEVITT, K.N. / KAUTZ, W.H.
7215 9 802 FILE ORGANIZATION: THE CONSECUTIVE RETRIEVAL PROPERTY * GHOSH, S.P.
7215 9 809 A NEW APPROACH TO AUTOMATIC SCANNING OF CONTOUR MAPS * MOR, M. / LAMDAN, T.
7215 9 813 AUTOMATIC ERROR ANALYSIS FOR DETERMINING PRECISION * RICHMAN, P.L.
7215 9 827 THINNING ALGORITHMS ON RECTANGULAR, HEXAGONAL, AND TRIANGULAR ARRAYS * DEUTSCH, E.S.
7215 9 838 A COMPARISON OF FLOATING POINT SUMMATION METHODS (SHORT COMMUNICATION) * GREGORY, J.
7215 9 839 THE EIGENPROBLEM OF BLOCK TRIDIAGONAL MATRICES (SHORT COMMUNICATION) * KHALIL, H.M.
7215 9 840 COMMENT ON DEADLOCK PREVENTION METHOD (SHORT COMMUNICATION) * PARNAS, D.L. / HABERMANN, A.N.
7215 9 841 A CONTROLLER FOR A BRAILLE TERMINAL (SHORT COMMUNICATION) * RUBINSTEIN, R. / FELDMAN, J.
7215 9 843 ON FOSTER'S INFORMATION STORAGE AND RETRIEVAL USING AVL TREES (SHORT COMMUNICATION) * TAN, K.C.
7215 10 859 1972 ACM TURING AWARD LECTURE: THE HUMBLE PROGRAMMER * DIJKSTRA, E.W.
7215 10 867 DEMAND PAGING THROUGH UTILIZATION OF WORKING SETS ON THE MANIAC II * MORRIS, J.B.
7215 10 873 COMPUTER METHODS FOR SAMPLING FROM THE EXPONENTIAL AND NORMAL DISTRIBUTIONS * AHRENS, J.H. / DIETER, U.
7215 10 883 INTEGRAL EQUATIONS OF IMMUNOLOGY * HANSON, R.J.
7215 10 891 GENERATING ENGLISH DISCOURSE FROM SEMANTIC NETWORKS * SIMMONS, R. / SLOCUM, J.
7215 10 906 CONVERSION OF DECISION TABLES BY RULE MASK METHOD WITHOUT RULE MASK * DATHE, G.
7215 10 910 SORTING BY NATURAL SELECTION * FRAZER, W.D. / WONG, C.K.
7215 10 913 CORRIGENDUM: AESTHETICS AND THE HUMAN FACTOR IN PROGRAMMING * ERSHOV, A.P.
7215 11 941 A COMPARATIVE STUDY OF COMPUTER PROGRAMS FOR INTEGRATING DIFFERENTIAL EQUATIONS * FOX, P.
7215 11 949 ALGORITHMS TO REVEAL PROPERTIES OF FLOATING-POINT ARITHMETIC * MALCOLM, M.A.
7215 11 952 A HIGHLY PARALLEL ALGORITHM FOR APPROXIMATING ALL ZEROS OF A POLYNOMIAL WITH ONLY REAL ZEROS * PATRICK, M.L.
7215 11 956 A MODEL FOR TYPE CHECKING—WITH AN APPLICATION TO ALGOL 60 * LEDGARD, H.F.
7215 11 967 DERIVED SEMANTICS FOR SOME PROGRAMMING LANGUAGE CONSTRUCTS * HENDERSON, P.
7215 11 974 THE CONVERSION OF LIMITED-ENTRY DECISION TABLES TO OPTIMAL AND NEAR-OPTIMAL FLOWCHARTS: TWO NEW ALGORITHMS * VERHELST, M.
7215 11 981 GARBAGE COLLECTION FOR VIRTUAL MEMORY COMPUTER SYSTEMS * BAECKER, H.D.
7215 11 987 AN APPROXIMATE METHOD FOR GENERATING SYMMETRIC RANDOM VARIABLES * RAMBERG, J.S. / SCHMEISER, B.W.
7215 11 996 ADDITIONAL RESULTS ON KEY-TO-ADDRESS TRANSFORM TECHNIQUES: A FUNDAMENTAL PERFORMANCE STUDY ON LARGE EXISTING FORMATTED FILES (SHORT COMMUNICATION) * LUM, V.Y. / YUEN, P.S.T.
7215 11 997 A NOTE ON OPTIMAL DOUBLY-CHAINED TREES (SHORT COMMUNICATION) * KENNEDY, S.
7215 11 999 FURTHER COMMENTS ON DIJKSTRA'S CONCURRENT PROGRAMMING CONTROL PROBLEM (SHORT COMMUNICATION) * EISENBERG, M.A. / MCGUIRE, R.
7215 11 1000 COMMENTS ON MOORER'S: MUSIC AND COMPUTER COMPOSITION (SHORT COMMUNICATION) * SMOLIAR, S.W.
7215 12 1023 DYNAMIC PARTITIONING FOR ARRAY LANGUAGES * PHILLIPS, J.R. / ADAMS, H.C.
7215 12 1033 INDEX RANGES FOR MATRIX CALCULI * BAYER, R. / WITZGALL, C.
7215 12 1040 A METHOD FOR INCREMENTALLY COMPILING LANGUAGES WITH NESTED STATEMENT STRUCTURE * EARLEY, J. / CAIZERGUES, P.
7215 12 1045 WEIGHTED INCREMENT LINEAR SEARCH FOR SCATTER TABLES * LUCCIO, F.
7215 12 1048 A COMPARISON OF MULTIVARIATE NORMAL GENERATORS * BARR, D.R. / SLEZAK, N.L.
7215 12 1050 A NEW METHOD FOR THE SOLUTION OF THE CAUCHY PROBLEM FOR PARABOLIC EQUATIONS * MOORE, J. / ROBINSON, P.
7215 12 1053 ON THE CRITERIA TO BE USED IN DECOMPOSING SYSTEMS INTO MODULES * PARNAS, D.L.
7215 12 1059 LEVELS OF LANGUAGE FOR PORTABLE SOFTWARE * BROWN, P.J.
7215 12 1063 TRACE-DRIVEN MODELING AND ANALYSIS OF CPU SCHEDULING IN A MULTIPROGRAMMING SYSTEM * SHERMAN, S. / BASKETT, F. III / BROWNE, J.C.

AUTHOR INDEX

7215 12 1023	ADAMS, H.C.	DYNAMIC PARTITIONING FOR ARRAY LANGUAGES
7215 10 873	AHRENS, J.H.	COMPUTER METHODS FOR SAMPLING FROM THE EXPONENTIAL AND NORMAL DISTRIBUTIONS
7215 7 521	ARBIB, M.A.	TOWARD AN AUTOMATA THEORY OF BRAINS
7215 7 693	ALT, F.L.	ARCHAEOLOGY OF COMPUTERS
7215 5 363	ASHENHURST, R.L.	CURRICULUM RECOMMENDATIONS FOR GRADUATE PROFESSIONAL PROGRAMS IN INFORMATION SYSTEMS
7215 11 981	BAECKER, H.D.	GARBAGE COLLECTION FOR VIRTUAL MEMORY COMPUTER SYSTEMS
7215 7 628	BACHMAN, C.W.	THE EVOLUTION OF STORAGE STRUCTURES
7215 12 1048	BARR, D.R.	A COMPARISON OF MULTIVARIATE NORMAL GENERATORS
7215 12 1063	BASKETT, F. III	TRACE-DRIVEN MODELING AND ANALYSIS OF CPU SCHEDULING IN A MULTIPROGRAMMING SYSTEM
7215 7 678	BAUER, F.L.	THE "PLANKALKÜL" OF KONRAD ZUSE: A FORERUNNER OF TODAY'S PROGRAMMING LANGUAGES
7215 12 1033	BAYER, R.	INDEX RANGES FOR MATRIX CALCULI
7215 8 742	BENJAMIN, A.J.	AN EXTENSIBLE EDITOR FOR A SMALL MACHINE WITH DISK STORAGE
7215 7 640	BENJAMIN, R.I.	A GENERATIONAL PERSPECTIVE OF INFORMATION SYSTEM DEVELOPMENT
7215 5 308	BENSOUSSAN, A.	THE MULTICS VIRTUAL MEMORY: CONCEPTS AND DESIGN
7215 8 772	BERNSTEIN, H.J.	COMPILING FIXED-POINT MULTIPLICATIONS
7215 6 411	BLATNY, J.	ON THE OPTIMIZATION OF PERFORMANCE OF TIME-SHARING SYSTEMS BY SIMULATION
7215 3 135	BOBROW, D.G.	TENEX, A PAGED TIME SHARING SYSTEM FOR THE PDP-10
7215 7 618	BOBROW, D.G.	REQUIREMENTS FOR ADVANCED PROGRAMMING SYSTEMS FOR LIST PROCESSING
7215 7 695	BORODIN, A.	COMPUTERS AND EMPLOYMENT
7215 7 574	BRINCH HANSEN, P.	STRUCTURED MULTIPROGRAMMING
7215 12 1059	BROWN, P.J.	LEVELS OF LANGUAGE FOR PORTABLE SOFTWARE
7215 12 1063	BROWNE, J.C.	TRACE-DRIVEN MODELING AND ANALYSIS OF CPU SCHEDULING IN A MULTIPROGRAMMING SYSTEM
7215 3 135	BURCHFIEL, J.D.	TENEX, A PAGED TIME SHARING SYSTEM FOR THE PDP-10
7215 12 1040	CAIZERGUES, P.	A METHOD FOR INCREMENTALLY COMPILING LANGUAGES WITH NESTED STATEMENT STRUCTURE
7215 6 427	CHANDLER, W.J.	INTERFERENCE BETWEEN COMMUNICATING PARALLEL PROCESSES
7215 4 253	CHASE, S.M.	AN IMPLEMENTED GRAPH ALGORITHM FOR WINNING SHANNON SWITCHING GAMES
7215 5 319	CHRISTMAN, R.D.	MUX, A SIMPLE APPROACH TO ON-LINE COMPUTING
7215 6 411	CLARK, S.R.	ON THE OPTIMIZATION OF PERFORMANCE OF TIME-SHARING SYSTEMS BY SIMULATION
7215 5 308	CLINGEN, C.T.	THE MULTICS VIRTUAL MEMORY: CONCEPTS AND DESIGN
7215 3 185	COFFMAN, E.G. JR.	A STUDY OF SHORTAGE PARTITIONING USING A MATHEMATICAL MODEL OF LOCALITY
7215 4 211	CONWAY, R.W.	ON THE IMPLEMENTATION OF SECURITY MEASURES IN INFORMATION SYSTEMS
7215 8 728	CROWE, D.	GENERATING PARSERS FOR AFFIX GRAMMARS
7215 5 308	DALEY, R.C.	THE MULTICS VIRTUAL MEMORY: CONCEPTS AND DESIGN
7215 10 906	DATHE, G.	CONVERSION OF DECISION TABLES BY RULE MASK METHOD WITHOUT RULE MASK
7215 3 191	DENNING, P.J.	PROPERTIES OF THE WORKING-SET MODEL
7215 9 827	DEUTSCH, E.S.	THINNING ALGORITHMS ON RECTANGULAR, HEXAGONAL, AND TRIANGULAR ARRAYS
7215 10 873	DIETER, U.	COMPUTER METHODS FOR SAMPLING FROM THE EXPONENTIAL AND NORMAL DISTRIBUTIONS
7215 10 859	DIJKSTRA, E.W.	1972 ACM TURING AWARD LECTURE: THE HUMBLE PROGRAMMER
7215 1 16	DJORP, F.M.	A CRT EDITING SYSTEM
7215 1 11	DUDA, R.O.	USE OF THE HOUGH TRANSFORMATION TO DETECT LINES AND CURVES IN PICTURES
7215 5 351	DUNHAM, C.B.	MINIMAX NONLINEAR APPROXIMATION BY APPROXIMATION ON SUBSETS
7215 1 21	DWYER, T.A.	TEACHER/STUDENT AUTHORED CAI USING THE NEWBASIC SYSTEM
7215 12 1040	EARLEY, J.	A METHOD FOR INCREMENTALLY COMPILING LANGUAGES WITH NESTED STATEMENT STRUCTURE
7215 2 76	EASTMAN, C.M.	PRELIMINARY REPORT ON A SYSTEM FOR GENERAL SPACE PLANNING
7215 8 748	ECKHOUSE, R.H. JR.	AN ENVIRONMENT FOR RESEARCH IN MICROPROGRAMMING AND EMULATION
7215 11 999	EISENBERG, M.A.	FURTHER COMMENTS ON DIJKSTRA'S CONCURRENT PROGRAMMING CONTROL PROBLEM
7215 7 501	ERSHOV, A.P.	AESTHETICS AND THE HUMAN FACTOR IN PROGRAMMING
7215 10 913	ERSHOV, A.P.	CORRIGENDUM: AESTHETICS AND THE HUMAN FACTOR IN PROGRAMMING
7215 9 841	FELDMAN, J.	A CONTROLLER FOR A BRAILLE TERMINAL
7215 2 113	FLORES, I.	CORRIGENDUM: AVERAGE BINARY SEARCH LENGTH FOR DENSE ORDERED LISTS
7215 2 96	FLYNN, M.J.	CORRIGENDUM: DYNAMIC MICROPROGRAMMING: PROCESSOR ORGANIZATION AND PROGRAMMING
7215 7 611	FOSDICK, L.D.	THE PRODUCTION OF BETTER MATHEMATICAL SOFTWARE
7215 7 557	FOSTER, C.	A VIEW OF COMPUTER ARCHITECTURE
7215 11 941	FOX, P.	A COMPARATIVE STUDY OF COMPUTER PROGRAMS FOR INTEGRATING DIFFERENTIAL EQUATIONS
7215 7 566	FRASER, A.G.	ON THE INTERFACE BETWEEN COMPUTERS AND DATA COMMUNICATIONS SYSTEMS
7215 10 910	FRAZER, W.D.	SORTING BY NATURAL SELECTION
7215 8 748	FRIEDER, G.	AN ENVIRONMENT FOR RESEARCH IN MICROPROGRAMMING AND EMULATION
7215 3 150	GAINES, R.S.	AN OPERATING SYSTEM BASED ON THE CONCEPT OF A SUPERVISORY COMPUTER
7215 5 337	GENTLEMAN, W.M.	IMPLEMENTING CLENSHAW-CURTIS QUADRATURE, I. METHODOLOGY AND EXPERIENCE
7215 5 343	GENTLEMAN, W.M.	IMPLEMENTING CLENSHAW-CURTIS QUADRATURE, II. COMPUTING THE COSINE TRANSFORMATION
7215 9 802	GHOSH, S.P.	FILE ORGANIZATION: THE CONSECUTIVE RETRIEVAL PROPERTY
7215 6 427	GILBERT, P.	INTERFERENCE BETWEEN COMMUNICATING PARALLEL PROCESSES
7215 6 438	GIMPEL, J.F.	BLOCKS-A NEW DATATYPE FOR SNOBOL4
7215 2 113	GORDON, R.	CORRIGENDUM: RECONSTRUCTION OF PICTURES FROM THEIR PROJECTIONS
7215 7 695	GOTLIEB, C.C.	COMPUTERS AND EMPLOYMENT
7215 5 347	GREENSPAN, D.	FAST FINITE-DIFFERENCE SOLUTION OF BIHARMONIC PROBLEMS
7215 9 838	GREGORY, J.	A COMPARISON OF FLOATING POINT SUMMATION METHODS
7215 3 171	HABERMANN, A.N.	SYNCHRONIZATION OF COMMUNICATING PROCESSES
7215 9 840	HABERMANN, A.N.	COMMENT ON DEADLOCK PREVENTION METHOD
7215 2 94	HALSTEAD, M.H.	MAXIMUM COMPUTING POWER AND COST FACTORS IN THE CENTRALIZATION PROBLEM
7215 10 883	HANSON, R.J.	INTEGRAL EQUATIONS OF IMMUNOLOGY
7215 1 11	HART, P.E.	USE OF THE HOUGH TRANSFORMATION TO DETECT LINES AND CURVES IN PICTURES
7215 5 352	HARTER, R.	THE OPTIMALITY OF WINOGRAD'S FORMULA
7215 8 735	HELBIG, R.E.	POLITICAL REDISTRICTING BY COMPUTER
7215 11 967	HENDERSON, P.	DERIVED SEMANTICS FOR SOME PROGRAMMING LANGUAGE CONSTRUCTS
7215 4 231	HERBST, N.M.	AN EXPERIMENTAL LABORATORY FOR PATTERN RECOGNITION AND SIGNAL PROCESSING
7215 2 113	HERMAN, G.T.	CORRIGENDUM: RECONSTRUCTION OF PICTURES FROM THEIR PROJECTIONS
7215 4 257	HOROWITZ, E.	COMPUTERS AND SOCIETY: A PROPOSED COURSE FOR COMPUTER SCIENTISTS
7215 4 276	HU, T.C.	A COMMENT ON THE DOUBLE-CHAINED TREE
7215 6 460	IGUCHI, K.	A STARTING METHOD FOR SOLVING NONLINEAR VOLTERRA INTEGRAL EQUATIONS OF THE SECOND KIND
7215 1 16	IRONS, E.T.	A CRT EDITING SYSTEM
7215 8 774	JONES, P.R.	COMMENT ON AVERAGE BINARY SEARCH LENGTH
7215 6 470	KANDEL, A.	COMPUTER SCIENCE-A VICIOUS CIRCLE
7215 9 789	KAUTZ, W.H.	CELLULAR ARRAYS FOR THE SOLUTION OF GRAPH PROBLEMS
7215 11 997	KENNEDY, S.	A NOTE ON OPTIMAL DOUBLY-CHAINED TREES
7215 9 839	KHALIL, H.M.	THE EIGENPROBLEM OF BLOCK TRIDIAGONAL MATRICES
7215 7 586	KIMBLETON, S.R.	THE ROLE OF COMPUTER SYSTEM MODELS IN PERFORMANCE EVALUATION
7215 7 671	KNUTH, D.E.	ANCIENT BABYLONIAN ALGORITHMS
7215 6 472	KOFFMAN, E.B.	INDIVIDUALIZING INSTRUCTION IN A GENERATIVE CAI TUTOR
7215 4 262	KUKI, H.	COMPLEX GAMMA FUNCTION WITH ERROR CONTROL

7215	9	809	LAMDAN, T.	A NEW APPROACH TO AUTOMATIC SCANNING OF CONTOUR MAPS
7215	11	956	LEDGARD, H.F.	A MODEL FOR TYPE CHECKING-WITH AN APPLICATION TO ALGOL 60
7215	1	3	LESK, A.M.	PICTORIAL PATTERN RECOGNITION AND THE PHASE PROBLEM OF X-RAY CRYSTALLOGRAPHY
7215	1	7	LEVIALDI, S.	ON SHRINKING BINARY PICTURE PATTERNS
7215	9	789	LEVITT, K.N.	CELLULAR ARRAYS FOR THE SOLUTION OF GRAPH PROBLEMS
7215	3	144	LISKOV, B.H.	THE DESIGN OF THE VENUS OPERATING SYSTEM
7215	12	1045	LUCCIO, F.	WEIGHTED INCREMENT LINEAR SEARCH FOR SCATTER TABLES
7215	11	996	LUM, V.Y.	ADDITIONAL RESULTS ON KEY-TO-ADDRESS TRANSFORM TECHNIQUES: A FUNDAMENTAL PERFORMANCE STUDY ON LARGE EXISTING FORMATTED FILES
7215	7	579	LYNCH, W.C.	OPERATING SYSTEM PERFORMANCE
7215	2	113	MADPIS, G.	CORRIGENDUM: AVERAGE BINARY SEARCH LENGTH FOR DENSE ORDERED LISTS
7215	11	949	MALCOLM, M.A.	ALGORITHMS TO REVEAL PROPERTIES OF FLOATING-POINT ARITHMETIC
7215	7	528	MANNA, Z.	FIXPOINT APPROACH TO THE THEORY OF COMPUTATION
7215	6	448	MARTIN, D.F.	A BOOLEAN MATRIX METHOD FOR THE COMPUTATION OF LINEAR PRECEDENCE FUNCTIONS
7215	2	88	MARTIN, W.A.	OPTIMIZING BINARY TREES GROWN WITH A SORTING ALGORITHM
7215	4	245	MATSUSHITA, Y.	HIDDEN LINES ELIMINATION FOR A ROTATING OBJECT
7215	4	211	MAXWELL, W.L.	ON THE IMPLEMENTATION OF SECURITY MEASURES IN INFORMATION SYSTEMS
7215	1	29	MCCALLA, G.I.	MUSE: A MODEL TO UNDERSTAND SIMPLE ENGLISH
7215	11	999	MCGUIRE, M.R.	FURTHER COMMENTS ON DIJKSTRA'S CONCURRENT PROGRAMMING CONTROL PROBLEM
7215	4	268	MOLER, C.B.	MATRIX COMPUTATIONS WITH FORTRAN AND PAGING
7215	12	1050	MOORE, J.	A NEW METHOD FOR THE SOLUTION OF THE CAUCHY PROBLEM FOR PARABOLIC EQUATIONS
7215	2	104	MOORER, J.A.	MUSIC AND COMPUTER COMPOSITION
7215	9	809	MOR, M.	A NEW APPROACH TO AUTOMATIC SCANNING OF CONTOUR MAPS
7215	4	211	MORGAN, H.L.	ON THE IMPLEMENTATION OF SECURITY MEASURES IN INFORMATION SYSTEMS
7215	4	257	MORGAN, H.L.	COMPUTERS AND SOCIETY: A PROPOSED COURSE FOR COMPUTER SCIENTISTS
7215	10	867	MORRIS, J.B.	DEMAND PAGING THROUGH UTILIZATION OF WORKING SETS ON THE MANIAC II
7215	8	773	MORRIS, J.H. JR.	A BONUS FROM VAN WIJNGAARDEN'S DEVICE
7215	7	550	MOSES, J.	TOWARD A GENERAL THEORY OF SPECIAL FUNCTIONS
7215	5	301	MULLIN, J.K.	AN IMPROVED INDEX SEQUENTIAL ACCESS METHOD USING HASHED OVERFLOW
7215	3	135	MURPHY, D.L.	TENEX, A PAGED TIME SHARING SYSTEM FOR THE PDP-10
7215	2	88	NESS, D.N.	OPTIMIZING BINARY TREES GROWN WITH A SORTING ALGORITHM
7215	8	761	ODEN, P.H.	A MODEL OF MEMORY CONTENTION IN A PAGING MACHINE
7215	2	94	OLDEHOEFT, A.E.	MAXIMUM COMPUTING POWER AND COST FACTORS IN THE CENTRALIZATION PROBLEM
7215	6	455	O'REAGAN, R.T.	COMPUTER-ASSIGNED CODES FROM VERBAL RESPONSES
7215	8	735	ORR, P.K.	POLITICAL REDISTRICTING BY COMPUTER
7215	2	71	PAGER, D.	A PROPOSAL FOR A COMPUTER-BASED INTERACTIVE SCIENTIFIC COMMUNITY
7215	5	330	PARNAS, D.L.	A TECHNIQUE FOR SOFTWARE MODULE SPECIFICATION WITH EXAMPLES
7215	9	840	PARNAS, D.L.	COMMENT ON DEADLOCK PREVENTION METHOD
7215	12	1053	PARNAS, D.L.	ON THE CRITERIA TO BE USED IN DECOMPOSING SYSTEMS INTO MODULES
7215	11	952	PATRICK, M.L.	A HIGHLY PARALLEL ALGORITHM FOR APPROXIMATING ALL ZEROS OF A POLYNOMIAL WITH ONLY REAL ZEROS
7215	12	1023	PHILLIPS, J.R.	DYNAMIC PARTITIONING FOR ARRAY LANGUAGES
7215	3	177	PINKERTON, T.D.	A COMPARATIVE ANALYSIS OF DISK SCHEDULING POLICIES
7215	6	462	POHL, I.	A SORTING PROBLEM AND ITS COMPLEXITY
7215	11	987	RAMBERG, J.S.	AN APPROXIMATE METHOD FOR GENERATING SYMMETRIC RANDOM VARIABLES
7215	8	775	READ, R.C.	A NOTE ON THE GENERATION OF ROSARY PERMUTATIONS
7215	7	485	REEVENS, L.	THE FIRST TWENTY-FIVE YEARS
7215	7	637	RICE, J.	ON THE PRESENT AND FUTURE OF SCIENTIFIC COMPUTATION
7215	9	813	RICHMAN, P.L.	AUTOMATIC ERROR ANALYSIS FOR DETERMINING PRECISION
7215	12	1050	ROBINSON, P.	A NEW METHOD FOR THE SOLUTION OF THE CAUCHY PROBLEM FOR PARABOLIC EQUATIONS
7215	8	735	ROEDIGER, R.R.	POLITICAL REDISTRICTING BY COMPUTER
7215	7	591	ROSEN, S.	PROGRAMMING SYSTEMS AND LANGUAGES
7215	8	748	ROSIN, R.F.	AN ENVIRONMENT FOR RESEARCH IN MICROPROGRAMMING AND EMULATION
7215	6	411	ROURKE, T.A.	ON THE OPTIMIZATION OF PERFORMANCE OF TIME-SHARING SYSTEMS BY SIMULATION
7215	9	841	RUBINSTEIN, R.	A CONTROLLER FOR A BRAILLE TERMINAL
7215	3	185	RYAN, T.A. JR.	A STUDY OF STORAGE PARTITIONING USING A MATHEMATICAL MODEL OF LOCALITY
7215	7	658	SALTON, G.	DYNAMIC DOCUMENT PROCESSING
7215	3	157	SALTZER, J.H.	A HARDWARE ARCHITECTURE FOR IMPLEMENTING PROTECTION RINGS
7215	1	45	SALTZER, H.E.	ORDERING $\pm f(\pm f(\pm f(\dots \pm f(x) \dots)))$ WHEN $f(x)$ IS POSITIVE MONOTONIC
7215	7	601	SAMMET, J.E.	PROGRAMMING LANGUAGES: HISTORY AND FUTURE
7215	1	29	SAMPSON, J.R.	MUSE: A MODEL TO UNDERSTAND SIMPLE ENGLISH
7215	11	987	SCHMEISER, B.W.	AN APPROXIMATE METHOD FOR GENERATING SYMMETRIC RANDOM VARIABLES
7215	12	1063	SHERMAN, S.	TRACE-DRIVEN MODELING AND ANALYSIS OF CPU SCHEDULING IN A MULTIPROGRAMMING SYSTEM
7215	3	157	SCHROEDER, M.D.	A HARDWARE ARCHITECTURE FOR IMPLEMENTING PROTECTION RINGS
7215	5	347	SCHULTZ, D.	FAST FINITE-DIFFERENCE SOLUTION OF BIHARMONIC PROBLEMS
7215	3	191	SCHWARTZ, S.C.	PROPERTIES OF THE WORKING-SET MODEL
7215	7	644	SEDELOW, S.Y.	LANGUAGE ANALYSIS IN THE HUMANITIES
7215	7	542	SHANNO, D.F.	MANAGEMENT SCIENCE: A VIEW FROM NONLINEAR PROGRAMMING
7215	4	257	SHAW, A.C.	COMPUTERS AND SOCIETY: A PROPOSED COURSE FOR COMPUTER SCIENTISTS
7215	8	761	SHEDLER, G.S.	A MODEL OF MEMORY CONTENTION IN A PAGING MACHINE
7215	1	28	SHELL, D.L.	CORRIGENDUM: OPTIMIZING THE POLYPHASE SORT
7215	1	41	SHRAGER, R.I.	QUADRATIC PROGRAMMING FOR NONLINEAR REGRESSION
7215	10	891	SIMMONS, R.	GENERATING ENGLISH DISCOURSE FROM SEMANTIC NETWORKS
7215	12	1048	SLEZAK, N.L.	A COMPARISON OF MULTIVARIATE NORMAL GENERATORS
7215	10	891	SLOCUM, J.	GENERATING ENGLISH DISCOURSE FROM SEMANTIC NETWORKS
7215	11	1000	SMOLIAR, S.W.	COMMENTS ON MOORER'S: MUSIC AND COMPUTER COMPOSITION
7215	6	421	SPACEK, T.R.	A PROPOSAL TO ESTABLISH A PSEUDO VIRTUAL MEMORY VIA WRITABLE OVERLAYS
7215	7	686	SPRAGUE, R.E.	A WESTERN VIEW OF COMPUTER HISTORY
7215	7	652	STURMAN, G.M.	COMPUTERS AND URBAN SOCIETY
7215	9	843	TAN, K.C.	ON FOSTER'S INFORMATION STORAGE AND RETRIEVAL USING AVL TREES
7215	3	177	TEOREY, T.J.	A COMPARATIVE ANALYSIS OF DISK SCHEDULING POLICIES
7215	3	135	TOMLINSON, R.S.	TENEX, A PAGED TIME SHARING SYSTEM FOR THE PDP-10
7215	7	537	TRAUB, J.	NUMERICAL MATHEMATICS AND COMPUTER SCIENCE
7215	2	96	TUCKER, A.B.	CORRIGENDUM: DYNAMIC MICROPROGRAMMING: PROCESSOR ORGANIZATION AND PROGRAMMING
7215	8	772	VAN DER POEL, W.L.	COMMENT ON THE COMPOSITION OF SEMANTICS IN ALGOL 68
7215	11	974	VERHELST, M.	THE CONVERSION OF LIMITED-ENTRY DECISION TABLES TO OPTIMAL AND NEAR-OPTIMAL FLOWCHARTS: TWO NEW ALGORITHMS
7215	7	528	VUILLEMIN, J.	FIXPOINT APPROACH TO THE THEORY OF COMPUTATION
7215	4	221	WALDEN, D.C.	A SYSTEM FOR INTERPROCESS COMMUNICATION IN A RESOURCE SHARING COMPUTER NETWORK
7215	4	275	WALDEN, D.C.	A NOTE ON CHENEY'S NONRECURSIVE LIST-COMPACTING ALGORITHM
7215	7	542	WEIL, R.L.	MANAGEMENT SCIENCE: A VIEW FROM NONLINEAR PROGRAMMING
7215	7	491	WEISS, E.A.	PUBLICATIONS IN COMPUTING: AN INFORMAL REVIEW
7215	4	231	WILL, P.M.	AN EXPERIMENTAL LABORATORY FOR PATTERN RECOGNITION AND SIGNAL PROCESSING

- 7215 12 1033 WITZGALL, C. INDEX RANGES FOR MATRIX CALCULI
 7215 10 910 WONG, C.K. SORTING BY NATURAL SELECTION
 7215 7 678 WÖSSNER, H. THE "PLANKALKÜL" OF KONRAD ZUSE: A FORERUNNER OF TODAY'S PROGRAMMING LANGUAGES
 7215 11 996 YUEN, P.S.T. ADDITIONAL RESULTS ON KEY-TO-ADDRESS TRANSFORM TECHNIQUES: A FUNDAMENTAL PERFORMANCE STUDY ON LARGE EXISTING FORMATTED FILES
 7215 7 648 ZINN, K. COMPUTERS IN THE INSTRUCTIONAL PROCESS: DIRECTIONS FOR RESEARCH AND DEVELOPMENT

DEPARTMENT INDEX

ALGORITHMS (Numbered algorithms indexed separately)

COMPUTATIONAL LINGUISTICS

- 7215 1 29 MUSE: A MODEL TO UNDERSTAND SIMPLE ENGLISH * MCCALLA, G.I. / SAMPSON, J.R.
 7215 2 104 MUSIC AND COMPUTER COMPOSITION * MOORER, J.A.
 7215 11 1000 COMMENTS ON MOORER'S: MUSIC AND COMPUTER COMPOSITION (SHORT COMMUNICATION) * SMOLIAR, S.W.

COMPUTER SYSTEMS

- 7215 1 16 A CRT EDITING SYSTEM * IRONS, E.T. / DJORUP, F.M.
 7215 2 94 MAXIMUM COMPUTING POWER AND COST FACTORS IN THE CENTRALIZATION PROBLEM * OLDEHOEFT, A.E. / HALSTEAD, M.H.
 7215 2 96 CORRIGENDUM: DYNAMIC MICROPROGRAMMING: PROCESSOR ORGANIZATION AND PROGRAMMING * TUCKER, A.B. / FLYNN, M.J.
 7215 4 221 A SYSTEM FOR INTERPROCESS COMMUNICATION IN A RESOURCE SHARING COMPUTER NETWORK * WALDEN, D.C.
 7215 4 231 AN EXPERIMENTAL LABORATORY FOR PATTERN RECOGNITION AND SIGNAL PROCESSING * HERBST, N.M. / WILL, P.M.
 7215 6 411 ON THE OPTIMIZATION OF PERFORMANCE OF TIME-SHARING SYSTEMS BY SIMULATION * BLATNY, J. / CLARK, S.R. / ROURKE, T.A.
 7215 8 748 AN ENVIRONMENT FOR RESEARCH IN MICROPROGRAMMING AND EMULATION * ROSIN, R.F. / FRIEDER, G. / ECKHOUSE, R.H. JR.
 7215 9 789 CELLULAR ARRAYS FOR THE SOLUTION OF GRAPH PROBLEMS * LEVITT, K.N. / KAUTZ, W.H.
 7215 10 867 DEMAND PAGING THROUGH UTILIZATION OF WORKING SETS ON THE MANIAC II * MORRIS, J.B.
 7215 11 999 FURTHER COMMENTS ON DIJKSTRA'S CONCURRENT PROGRAMMING CONTROL PROBLEM (SHORT COMMUNICATION) * EISENBERG, M.A. / MCGUIRE, M.R.

EDUCATION

- 7215 1 21 TEACHER/STUDENT AUTHORED CAI USING THE NEWBASIC SYSTEM * DWYER, T.A.
 7215 4 257 COMPUTERS AND SOCIETY: A PROPOSED COURSE FOR COMPUTER SCIENTISTS * HOROWITZ, E. / MORGAN, H.L. / SHAW, A.C.
 7215 5 363 CURRICULUM RECOMMENDATIONS FOR GRADUATE PROFESSIONAL PROGRAMS IN INFORMATION SYSTEMS * ASHENHURST, R.L.
 7215 6 470 COMPUTER SCIENCE-A VICIOUS CIRCLE (SHORT COMMUNICATION) * KANDEL, A.
 7215 6 472 INDIVIDUALIZING INSTRUCTION IN A GENERATIVE CAI TUTOR (SHORT COMMUNICATION) * KOFFMAN, E.B.

GRAPHICS AND IMAGE PROCESSING

- 7215 1 7 ON SHRINKING BINARY PICTURE PATTERNS * LEVIALDI, S.
 7215 1 11 USE OF THE HOUGH TRANSFORMATION TO DETECT LINES AND CURVES IN PICTURES * DUDA, R.O. / HART, P.E.
 7215 2 113 CORRIGENDUM: RECONSTRUCTION OF PICTURES FROM THEIR PROJECTIONS * GORDON, R. / HERMAN, G.T.
 7215 9 809 A NEW APPROACH TO AUTOMATIC SCANNING OF CONTOUR MAPS * MOR, M. / LAMDAN, T.

INFORMATION RETRIEVAL

- 7215 2 113 CORRIGENDUM: AVERAGE BINARY SEARCH LENGTH FOR DENSE ORDERED LISTS * FLORES, I. / MADPIS, G.
 7215 4 276 A COMMENT ON THE DOUBLE-CHAINED TREE (SHORT COMMUNICATION) * HU, T.C.
 7215 8 774 COMMENT ON AVERAGE BINARY SEARCH LENGTH (SHORT COMMUNICATION) * JONES, P.R.
 7215 9 802 FILE ORGANIZATION: THE CONSECUTIVE RETRIEVAL PROPERTY * GHOSH, S.P.
 7215 9 843 ON FOSTER'S INFORMATION STORAGE AND RETRIEVAL USING AVL TREES (SHORT COMMUNICATION) * TAN, K.C.
 7215 11 996 ADDITIONAL RESULTS ON KEY-TO-ADDRESS TRANSFORM TECHNIQUES: A FUNDAMENTAL PERFORMANCE STUDY ON LARGE EXISTING FORMATTED FILES (SHORT COMMUNICATION) * LUM, V.Y. / YUEN, P.S.T.
 7215 11 997 A NOTE ON OPTIMAL DOUBLY-CHAINED TREES (SHORT COMMUNICATION) * KENNEDY, S.
 7215 12 1045 WEIGHTED INCREMENT LINEAR SEARCH FOR SCATTER TABLES * LUCCIO, F.

MANAGEMENT/DATA BASE SYSTEMS

- 7215 2 88 OPTIMIZING BINARY TREES GROWN WITH A SORTING ALGORITHM * MARTIN, W.A. / NESS, D.N.
 7215 4 211 ON THE IMPLEMENTATION OF SECURITY MEASURES IN INFORMATION SYSTEMS * CONWAY, R.W. / MAXWELL, W.L. / MORGAN, H.L.
 7215 5 301 AN IMPROVED INDEX SEQUENTIAL ACCESS METHOD USING HASHED OVERFLOW * MULLIN, J.K.

MANAGEMENT SCIENCE/OPERATIONS RESEARCH

- 7215 10 873 COMPUTER METHODS FOR SAMPLING FROM THE EXPONENTIAL AND NORMAL DISTRIBUTIONS * AHRENS, J.H. / DIETER, U.
 7215 11 987 AN APPROXIMATE METHOD FOR GENERATING SYMMETRIC RANDOM VARIABLES * RAMBERG, J.S. / SCHMEISER, B.W.

NUMERICAL MATHEMATICS

- 7215 1 41 QUADRATIC PROGRAMMING FOR NONLINEAR REGRESSION * SHRAGER, R.I.
 7215 1 45 ORDERING $\pm f(\pm f(\pm f(\dots \pm f(x) \dots)))$ WHEN $f(x)$ IS POSITIVE MONOTONIC (SHORT COMMUNICATION) * SALZER, H.E.
 7215 4 262 COMPLEX GAMMA FUNCTION WITH ERROR CONTROL * KUKI, H.
 7215 4 268 MATRIX COMPUTATIONS WITH FORTRAN AND PAGING * MOLER, C.B.
 7215 5 337 IMPLEMENTING CLENSHAW-CURTIS QUADRATURE, I. METHODOLOGY AND EXPERIENCE * GENTLEMAN, W.M.
 7215 5 343 IMPLEMENTING CLENSHAW-CURTIS QUADRATURE, II. COMPUTING THE COSINE TRANSFORMATION * GENTLEMAN, W.M.
 7215 5 347 FAST FINITE-DIFFERENCE SOLUTION OF BIHARMONIC PROBLEMS * GREENSPAN, D. / SCHULTZ, D.
 7215 5 351 MINIMAX NONLINEAR APPROXIMATION BY APPROXIMATION ON SUBSETS (SHORT COMMUNICATION) * DUNHAM, C.B.
 7215 5 352 THE OPTIMALITY OF WINOGRAD'S FORMULA (SHORT COMMUNICATION) * HARTER, R.
 7215 6 460 A STARTING METHOD FOR SOLVING NONLINEAR VOLTERRA INTEGRAL EQUATIONS OF THE SECOND KIND * IGUCHI, K.
 7215 9 813 AUTOMATIC ERROR ANALYSIS FOR DETERMINING PRECISION * RICHMAN, P.L.
 7215 9 838 A COMPARISON OF FLOATING POINT SUMMATION METHODS (SHORT COMMUNICATION) * GREGORY, J.
 7215 9 839 THE EIGENPROBLEM OF BLOCK TRIAGONAL MATRICES (SHORT COMMUNICATION) * KHALIL, H.M.
 7215 11 941 A COMPARATIVE STUDY OF COMPUTER PROGRAMS FOR INTEGRATING DIFFERENTIAL EQUATIONS * FOX, P.
 7215 11 949 ALGORITHMS TO REVEAL PROPERTIES OF FLOATING-POINT ARITHMETIC * MALCOLM, M.A.
 7215 11 952 A HIGHLY PARALLEL ALGORITHM FOR APPROXIMATING ALL ZEROS OF A POLYNOMIAL WITH ONLY REAL ZEROS * PATRICK, M.L.
 7215 12 1048 A COMPARISON OF MULTIVARIATE NORMAL GENERATORS * BARR, D.R. / SLEZAK, N.L.
 7215 12 1050 A NEW METHOD FOR THE SOLUTION OF THE CAUCHY PROBLEM FOR PARABOLIC EQUATIONS * MOORE, J. / ROBINSON, P.

OPERATING SYSTEMS

- 7215 5 308 THE MULTICS VIRTUAL MEMORY: CONCEPTS AND DESIGN * BENSOUSSAN, A. / CLINGEN, C.T. / DALEY, R.C.
 7215 5 319 MUX, A SIMPLE APPROACH TO ON-LINE COMPUTING * CHRISTMAN, R.D.
 7215 6 421 A PROPOSAL TO ESTABLISH A PSEUDO VIRTUAL MEMORY VIA WRITABLE OVERLAYS * SPACEK, T.R.
 7215 6 427 INTERFERENCE BETWEEN COMMUNICATING PARALLEL PROCESSES * GILBERT, P. / CHANDLER, W.J.
 7215 8 761 A MODEL OF MEMORY CONTENTION IN A PAGING MACHINE * ODEN, P.H. / SHEDLER, G.S.
 7215 9 840 COMMENT ON DEADLOCK PREVENTION METHOD (SHORT COMMUNICATION) * PARNAS, D.L. / HABERMANN, A.N.
 7215 11 981 GARBAGE COLLECTION FOR VIRTUAL MEMORY COMPUTER SYSTEMS * BAECKER, H.D.
 7215 12 1063 TRACE-DRIVEN MODELING AND ANALYSIS OF CPU SCHEDULING IN A MULTIPROGRAMMING SYSTEM * SHERMAN, S. / BASKETT, F. III / BROWNE, J.C.

PROGRAMMING LANGUAGES

- 7215 6 438 BLOCKS-A NEW DATATYPE FOR SNOBOL4 * GIMPEL, J.F.
- 7215 6 448 A BOOLEAN MATRIX METHOD FOR THE COMPUTATION OF LINEAR PRECEDENCE FUNCTIONS * MARTIN, D.F.
- 7215 8 772 COMMENT ON THE COMPOSITION OF SEMANTICS IN ALGOL 68 (SHORT COMMUNICATION) * VAN DER POEL, W.L.
- 7215 8 773 A BONUS FROM VAN WIJNGAARDEN'S DEVICE (SHORT COMMUNICATION) * MORRIS, J.H. JR.
- 7215 11 956 A MODEL FOR TYPE CHECKING-WITH AN APPLICATION TO ALGOL 60 * LEDGARD, H.F.
- 7215 11 967 DERIVED SEMANTICS FOR SOME PROGRAMMING LANGUAGE CONSTRUCTS * HENDERSON, P.
- 7215 12 1023 DYNAMIC PARTITIONING FOR ARRAY LANGUAGES * PHILLIPS, J.R. / ADAMS, H.C.
- 7215 12 1033 INDEX RANGES FOR MATRIX CALCULI * BAYER, R. / WITZGALL, C.
- 7215 12 1040 A METHOD FOR INCREMENTALLY COMPILING LANGUAGES WITH NESTED STATEMENT STRUCTURE * EARLEY, J. / CAIZERGUES, P.

PROGRAMMING TECHNIQUES

- 7215 1 28 CORRIGENDUM: OPTIMIZING THE POLYPHASE SORT * SHELL, D.L.
- 7215 4 275 A NOTE ON CHENEY'S NONRECURSIVE LIST-COMPACTING ALGORITHM * WALDEN, D.C.
- 7215 5 330 A TECHNIQUE FOR SOFTWARE MODULE SPECIFICATION WITH EXAMPLES * PARNAS, D.L.
- 7215 6 462 A SORTING PROBLEM AND ITS COMPLEXITY * POHL, I.
- 7215 8 772 COMPILING FIXED-POINT MULTIPLICATIONS (SHORT COMMUNICATION) * BERNSTEIN, H.J.
- 7215 10 906 CONVERSION OF DECISION TABLES BY RULE MASK METHOD WITHOUT RULE MASK * DATHE, G.
- 7215 10 910 SORTING BY NATURAL SELECTION * FRAZER, W.D. / WONG, C.K.
- 7215 11 974 THE CONVERSION OF LIMITED-ENTRY DECISION TABLES TO OPTIMAL AND NEAR-OPTIMAL FLOWCHARTS: TWO NEW ALGORITHMS * VERHELST, M.
- 7215 12 1053 ON THE CRITERIA TO BE USED IN DECOMPOSING SYSTEMS INTO MODULES * PARNAS, D.L.
- 7215 12 1059 LEVELS OF LANGUAGE FOR PORTABLE SOFTWARE * BROWN, P.J.

SCIENTIFIC APPLICATIONS

- 7215 1 3 PICTORIAL PATTERN RECOGNITION AND THE PHASE PROBLEM OF X-RAY CRYSTALLOGRAPHY * LESK, A.M.
- 7215 2 71 A PROPOSAL FOR A COMPUTER-BASED INTERACTIVE SCIENTIFIC COMMUNITY * PAGER, D.
- 7215 2 76 PRELIMINARY REPORT ON A SYSTEM FOR GENERAL SPACE PLANNING * EASTMAN, C.M.
- 7215 4 245 HIDDEN LINES ELIMINATION FOR A ROTATING OBJECT * MATSUSHITA, Y.
- 7215 4 253 AN IMPLEMENTED GRAPH ALGORITHM FOR WINNING SHANNON SWITCHING GAMES * CHASE, S.M.
- 7215 6 455 COMPUTER-ASSIGNED CODES FROM VERBAL RESPONSES * O'REAGAN, R.T.
- 7215 8 728 GENERATING PARSERS FOR AFFIX GRAMMARS * CROWE, D.
- 7215 8 735 POLITICAL REDISTRICTING BY COMPUTER * HELBIG, R.E. / ORR, P.K. / ROEDIGER, R.R.
- 7215 8 742 AN EXTENSIBLE EDITOR FOR A SMALL MACHINE WITH DISK STORAGE * BENJAMIN, A.J.
- 7215 8 775 A NOTE ON THE GENERATION OF ROSARY PERMUTATIONS (SHORT COMMUNICATION) * READ, R.C.
- 7215 9 827 THINNING ALGORITHMS ON RECTANGULAR, HEXAGONAL, AND TRIANGULAR ARRAYS * DEUTSCH, E.S.
- 7215 9 841 A CONTROLLER FOR A BRAILLE TERMINAL (SHORT COMMUNICATION) * RUBINSTEIN, R. / FELDMAN, J.
- 7215 10 859 1972 ACM TURING AWARD LECTURE: THE HUMBLE PROGRAMMER * DIJKSTRA, E.W.
- 7215 10 883 INTEGRAL EQUATIONS OF IMMUNOLOGY * HANSON, R.J.
- 7215 10 891 GENERATING ENGLISH DISCOURSE FROM SEMANTIC NETWORKS * SIMMONS, R. / SLOCUM, J.

PAPERS FROM THE THIRD ACM SYMPOSIUM ON OPERATING SYSTEMS PRINCIPLES

- 7215 3 135 TENEX. A PAGED TIME SHARING SYSTEM FOR THE PDP-10 * BOBROW, D.G. / BURCHFIEL, J.D. / MURPHY, D.L. / TOMLINSON, R.S.
- 7215 3 144 THE DESIGN OF THE VENUS OPERATING SYSTEM * LISKOV, B.H.
- 7215 3 150 AN OPERATING SYSTEM BASED ON THE CONCEPT OF A SUPERVISORY COMPUTER * GAINES, R.S.
- 7215 3 157 A HARDWARE ARCHITECTURE FOR IMPLEMENTING PROTECTION RINGS * SCHROEDER, M.D. / SALTZER, J.H.
- 7215 3 171 SYNCHRONIZATION OF COMMUNICATING PROCESSES * HABERMANN, A.N.
- 7215 3 177 A COMPARATIVE ANALYSIS OF DISK SCHEDULING POLICIES * TEORY, T.J. / PINKERTON, T.B.
- 7215 3 185 A STUDY OF STORAGE PARTITIONING USING A MATHEMATICAL MODEL OF LOCALITY * COFFMAN, E.G. JR. / RYAN, T.A. JR.
- 7215 3 191 PROPERTIES OF THE WORKING-SET MODEL * DENNING, P.J. / SCHWARTZ, S.C.

PAPERS FROM THE 25TH ANNIVERSARY ISSUE

- 7215 7 485 THE FIRST TWENTY-FIVE YEARS * REVENS, L.
- 7215 7 491 PUBLICATIONS IN COMPUTING: AN INFORMAL REVIEW * WEISS, E.A.
- 7215 7 501 AESTHETICS AND THE HUMAN FACTOR IN PROGRAMMING * ERSHOV, A.P.

A. FUNDAMENTALS

- 7215 7 521 TOWARD AN AUTOMATA THEORY OF BRAINS * ARBIB, M.A.
- 7215 7 528 FIXPOINT APPROACH TO THE THEORY OF COMPUTATION * MANNA, Z. / VUILLEMIN, J.
- 7215 7 537 NUMERICAL MATHEMATICS AND COMPUTER SCIENCE * TRAUB, J.
- 7215 7 542 MANAGEMENT SCIENCE: A VIEW FROM NONLINEAR PROGRAMMING * SHANNO, D.F. / WEIL, R.L.
- 7215 7 550 TOWARD A GENERAL THEORY OF SPECIAL FUNCTIONS * MOSES, J.

B. COMPUTERWARE

- 7215 7 557 A VIEW OF COMPUTER ARCHITECTURE * FOSTER, C.
- 7215 7 566 ON THE INTERFACE BETWEEN COMPUTERS AND DATA COMMUNICATIONS SYSTEMS * FRASER, A.G.
- 7215 7 574 STRUCTURED MULTIPROGRAMMING * BRINCH HANSEN, P.
- 7215 7 579 OPERATING SYSTEM PERFORMANCE * LYNCH, W.C.
- 7215 7 586 THE ROLE OF COMPUTER SYSTEM MODELS IN PERFORMANCE EVALUATION * KIMBLETON, S.R.
- 7215 7 591 PROGRAMMING SYSTEMS AND LANGUAGES * ROSEN, S.
- 7215 7 601 PROGRAMMING LANGUAGES: HISTORY AND FUTURE * SAMMET, J.
- 7215 7 611 THE PRODUCTION OF BETTER MATHEMATICAL SOFTWARE * FOSDICK, L.D.
- 7215 7 618 REQUIREMENTS FOR ADVANCED PROGRAMMING SYSTEMS FOR LIST PROCESSING * BOBROW, D.G.
- 7215 7 628 THE EVOLUTION OF STORAGE STRUCTURES * BACHMAN, C.W.

C. APPLICATIONS

- 7215 7 637 ON THE PRESENT AND FUTURE OF SCIENTIFIC COMPUTATION * RICE, J.
- 7215 7 640 A GENERATIONAL PERSPECTIVE OF INFORMATION SYSTEM DEVELOPMENT * BENJAMIN, R.I.
- 7215 7 644 LANGUAGE ANALYSIS IN THE HUMANITIES * SEDELOW, S.Y.
- 7215 7 648 COMPUTERS IN THE INSTRUCTIONAL PROCESS: DIRECTIONS FOR RESEARCH AND DEVELOPMENT * ZINN, K.
- 7215 7 652 COMPUTERS AND URBAN SOCIETY * STURMAN, G.M.
- 7215 7 658 DYNAMIC DOCUMENT PROCESSING * SALTON, G.

D. PERSPECTIVES

- 7215 7 671 ANCIENT BABYLONIAN ALGORITHMS * KNUTH, D.E.
- 7215 7 678 THE "PLANKALKÜL" OF KONRAD ZUSE: A FORERUNNER OF TODAY'S PROGRAMMING LANGUAGES * BAUER, F.L. / WÖSSNER, H.
- 7215 7 686 A WESTERN VIEW OF COMPUTER HISTORY * SPRAGUE, R.E.
- 7215 7 693 ARCHAEOLOGY OF COMPUTERS * ALT, F.L.
- 7215 7 695 COMPUTERS AND EMPLOYMENT * BORODIN, A. / GOTLIEB, C.C.

